

CLAIMS

1. A plasma display panel comprising a display electrode and an address electrode,
5 the plasma display panel comprising a dielectric layer formed on at least one electrode selected from the group consisting of the display electrode and the address electrode,
wherein the dielectric layer includes glass having the following composition, as its main constituent element:
10 0 to 15 wt% SiO₂;
10 to 50 wt% B₂O₃;
26 to 50 wt% ZnO;
0 to 10 wt% Al₂O₃;
2 to 30 wt% Bi₂O₃;
15 0 to 0.1 wt% PbO; and
5 to 38 wt% RO,
where RO denotes at least one oxide selected from the group consisting of CaO, SrO, and BaO.
- 20 2. The plasma display panel according to claim 1, further comprising a protective layer that is formed to cover the dielectric layer,
wherein the protective layer includes MgO as its main component.
3. The plasma display panel according to claim 2, wherein the glass has
25 a linear thermal expansion coefficient in a range of 60×10^{-7} to $85 \times 10^{-7}/^{\circ}\text{C}$ at 30 to 300°C.
4. The plasma display panel according to claim 2, wherein the dielectric layer is formed by applying a glass paste containing powder of the glass, a
30 solvent, and resin so as to cover the at least one electrode and then baking it.